

Message

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Sent: 6/6/2017 3:43:09 PM
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Subject: Appendix C to Rocky Flats FYR report
Attachments: appxc_060517.docx

All:

After our conference call on May 25, Lindsay expressed an interest in seeing Appendix C after we incorporated revisions based on the Jan. 2017 IRIS report on benzo(a)pyrene. The end result is that the new slope factor for benzo(a)pyrene (BAP) did not change our protectiveness determination in the FYR report. I have attempted to summarize what Laura Cummins, our chemical risk assessor, explained to me below. If you need further clarification, please call me and we can contact Laura directly.

- Using the 2017 slope factor for BAP, the new PRG for BAP would be larger than the PRG calculated in 2006. At this point in the screening process, BAP would usually be dropped from further evaluation in the FYR. However, because BAP was a COC in the 2006 CRA, we carried it through the FYR screening process.
- BAP was considered a COC in three EUs in 2006 (Table C-2). Using the new slope factor, BAP would only be considered a COC in one EU. BAP concentrations in this EU, however, are within the acceptable risk range. Therefore, we are still protective.
- The BAP slope factor is used in the calculation of slope factors for other PAHs. As with BAP, the new PRGs were larger than those calculated in 2006. However, since no PAHs other than BAP were identified as COCs in 2006, these other PAHs were dropped from further evaluation in the FYR. This is reflected in Table C-5.

I've attached the revised Appendix C for your reference. Please call if you have any questions. Thanks.

Patty

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